Bruhath Bangalore Mahanagara Palike, Dasarahalli Zone

Excecutive Engineer, Project division

SCHEDULE - B

Name of work:Construction Compound wall and other Development works at Shettyhalli sub division office in Mallasandra ward No.13

Name of the Contractor:Sri.Gnanedramurthy.M.D

Sl. No	Description of Work	Unit	Approved	
			Quantity	Rate
1	KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum	340.65	222.04
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2	Cum	36.15	5449.68
3	KSRB 5.4-3: Providing and constructing granite I trap I basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of aterials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13	Cum	54.52	6019.92

Executive Engineer
Project Division
Dasarahalli Zone, BBMP

Scanned by CamScanner

4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	16.89	5405.40
5	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.	Cum	4.50	5985.36
6	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaltons. Specification No. KBS 4.6.2.	Sqm	1032.66	316.44
7	KSRB 4.9.2 : Providing TMT bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of the Engineer-in-charge. Specification No. KBS 4.6.3	Tonne	6.56	65433.56

Executive Engineer
Project Division
Dasarahalli Zone, BBMP

Scanned by CamScanner

8	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3its confirming to 1S9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for ail works in ground floor level for roof slabs, staircase, lintels, and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Cum	93.75	6650.64
9	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications, specification. No. KBS 2.9	Cum	170.33	137.16
10	KSRB 5-11: Providing and constructing load bearing wall with cement concrete cavity blocks (Hollow blocks) of size 400x200x200 mm Grade B having a minimum face shell thickness of 30mm and web thickness of 25mm with block density between 1100kg/m3 and 1500kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.KBS No.5.4.	Sqm	105.60	1023.84

Executive Engineer
Project Division
...halli Zone, BBMP

Scanned by CamScanner

11	KSRB15-3.7 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	264.20	263.52
12	KSRB 15.10.1 Providing white washing to new wall surface in two coats with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.	Sqm	264.20	8.64
13	Providing And fabricating M.S Grils os as per approved drawing & Specification	Sqm	110.00	9144.14
14	Providing and fabricating M.S Gateas per approved drawing & Specification	Sqm	13.50	12447.00
15	For roof Slab & TerracesProviding & applying water proofing to roof slab, terraces, landscape area, podium etc., using modified polyurethane cures (conforming to ASTM C836-84) to give a tough elastomeric waterproof membrane on the surface. The surface shall be cleaned free from dust and other particle before usage. Standards & Methodology: This compound has a medium viscosity grade with 620% of elongation and shall be done either by roller application / brush application/ spray. This will be applied for a thickness of 1.3mm first layer 0.5mm & 2nd layer 0.8mm. After applying the 2nd layer sand sprinkle shall be doneto provide mechanical key.	Sqm	591.62	756.00
16	KSRB 0.5-3.1: Providing lime surkhi mortar of mix 1:3 (1 lime putty : 3 surkhi) including cost of all materials, labour charges, HOM of machin3ry complete as per specifications. Specification No. KBS	Cum	29.58	3061.80

Executive Engineer
Project Division
Dasarahalli Zone, BBMP

Scanned by CamScanner

17	Geophysical investigation of site for sinking borewell for supplying drinking water to the habition either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting vennur or schiumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity and acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including trasportation of instruments and accessories to work site, engaging technical personal and labour required etc	No.s	1.00	1882.00
18	Sinking of borewell of 165mm clear using super fast hydraulic rig of capacity 250 PSIG & above 900 MCF & above in all strata including over burden upto 22m, fixing of casing pipes, collars and cap with necessary cutting and threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables, etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars and cap etc	M		
	0.00 to 50.00 Mtr		50.00	306.00
	50.00 to 100.00 Mtr		50.00	400.00
	100.00 to 150.00 Mtr		50.00	445.00
	150.00 to 200.00 Mtr.		50.00	470.00
	200.00 to 250.00 Mtr.		50.00	544.00
	250.00 to 300.00 Mtr		50.00	583.00

Executive Engineer
Project Division
Dasarahalli Zone, BBMP

Scanned by CamScanner

19	Supply of ISI mark 175mm nominal Bore, Plain end Steel casing pipe grade of steel Fee 410 of wall thickness 5.4mm thick conforming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1378/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mtrs. both ends threads conforming to IS 554/1985, one end fixed with socket confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. (inclusive of all taxes and duties) Prices include collar medium duty.	Rmt	32.00	1325.00
20	Providing Borewell Collars 175mm dia	Each	5.00	150.00
21	Providing Borewell Cap 175mm Dia	Each	1.00	100.00
22	Supply and delivery of galvanized mild steel tubes heavy class (B-class) conforming to IS 1239-1979 part I/1979 with latest amendments with ISI Mark haeavy duty collar and other end fitted with protective cover 50mm dia.(Material Component	Rmt	300.00	321.00
23	Providing Borewell Collars 50 mm dia (Material Component)	Each	40.00	125.00
24	Supplying of Submersible Three Phase Pumpset for borewell of approved make ATLANTA, SUGUNA, C.R.I., KIRLOSKAR and other equivalent pumps. 10 HP /7.5KW 20 stages (Rate List of Materials	Each	1.00	50100.00
25	Erection of pumpset including aligning and balancing with all necessary erection material and labour including supply and errection of two pair of supporting clamps borewell cap, cable clips, GI pipe and transportation GI pipe from Centrla Stores to site 50mm dia GI pipe will be spplied by Departmentally at free of cost	Nos	1.00	3900.00

Executive Engineer
Project Division
Dasarahalli Zone, BBMP

Scanned by CamScanner

26	Supply and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS 8130-1984 and latest amendments of IS 694/1990 and Virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts.1 x 3 x 4 sqmm	Rmt	300.00	164.29
27	Supplying of LTUG cable having aluminium conductor PVC insulated sheeted galvanized steel wire tape armoured cable with PVC other sheating 101 KV class 4 core 16sqmm.including laying charges	Nos	15.00	169.95
28	Supplying & fixing LT Iron pot heads suitable for 1.1KV class UG Cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts and nuts and washers etc., 4 core 16 sqmm.	Nos	1.00	271.92
29	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. 65mm.	Nos	5.00	249.26
30	Supplying, fixing, wiring, earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia. 2.90mm thick GI pipe 2.5mtr. long buried in a pit. The Pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 120mm dia. bolt, nuts, washers and checknuts etc., the pipe shall have 16 through of 122mm dia	Rmt	1.00	1650.00
31	Gun Metal 50mm Non Return Vavle of Horizental type	Each	1.00	1213.70

Executive Engineer
Project Division
Dasarahalli Zone, BBMP

Scanned by CamScanner

32	Supplying and fixing polished wood board made of not less than 15mm thick on both sides with made out of not more than 2 piece and fixing the same to the wall using tapered inverted wooden plugs screws etc., 500 x 500 x 65mm (20'x20'x5") .	Each	1.00	311.58
33	Supplying and fixing MCB on existing MCB distribution board using necessary materials and wiring complete as required 32 amps.	Each	1.00	906.40
34	Supplying and fixing one of the fuse cut outs having porcelain base approved quality on the existing wooden block and wiring complete 16amps.	Each	3.00	231.00
35	Shunt capacitor conforming to IS 2843, 3 phases 400/400 Volts grade for power factor improvements of rotating machinery.	Each	1.00	1350.00
36	Fixing of shunt capacitor with necessary clamps bolts and nuts to existing wooden meter boards including banking of more than the capacitor.	Each	1.00	100.00
37	Servicing the installation by applying to the concerned BECSOM authorities including fixing of energy meter as per the procedure of BESCOM	Nos	1.00	10000.00
38	3001 PVC Pipes 10KG/Sqcm 90mm outerdia Page no. XXXI Item No. 902	M	585.00	350.00

CONTRACTOR

Executive Engineer
Project division
Dasarahalli Zone, BBMP

Scanned by CamScanner